

PARASITOID WASPS (*Aphidius matricariae*)

Mummies/adults — Aphids



Aphidius matricariae is a parasitoid wasp specializing in the control of the Green Peach Aphid (*Myzus persicae*) and is also used to control the Cannabis Aphid (*Phorodon cannabis*). The adult is black with brown legs. This parasitoid wasp has long antennae and is about 2 mm long.

The adult is black with brown legs. This parasitoid wasp has long antennae and is approximately 2-3 mm long. After mating, the female lays her eggs inside juvenile or adult aphids. *Aphidius matricariae* larvae develop and feed on the internal organs of the aphid. After 7 days, the aphid becomes immobile, swells and turns beige. We call this stage «mummy». A new adult emerges from the parasitized aphid after a few days.

FORMATS

250, 500, 1 000 and 5 000 mummies/adults

LIFE CYCLE

- The optimum conditions are a temperature between 18 and 25 °C and a relative humidity between 60 and 80%.
- The development time of *Aphidius colemani* is 14 days at 21 °C.
- The female lays more than one hundred eggs in her lifetime.
- The mummy stage occurs about 7 days after laying.
- The adult lives 2 to 3 weeks depending on the temperature.
- Does not enter diapause.

INTRODUCTION RATE

	PREVENTIVE	CURATIVE LIGHT	CURATIVE STRONG
QUANTITY	0,25	1	2
SURFACE	per m ²	per m ²	per m ²
FREQUENCY	as needed	7 days	7 days
DURATION	as needed	2 to 3 introductions	3 to 6 introductions

APPLICATION

Aphidius matricariae is used in a greenhouse, inside production and outside production.

It is advisable to use this biocontrol agent as a precaution with the introduction of reservoir plants or to introduce small amounts (0.25 / m²) before the discovery of the first colonies of aphids.

In summer, *Aphidius matricariae* should be used with *Aphidoletes aphidimyza* or with convergent ladybugs. Control is achieved when 80% of the aphids are parasitized.

Yellow sticky traps can affect *Aphidius matricariae*. Use 1 yellow sticky trap per 100 plants and release the agents away from them.

MANUAL

1

Aphidius matricariae arrives at the stage of nymph inside a parasitized and dead aphid.

The adults will emerge after a few days. Keep container at 22-25 °C and in the shade.



2

Upon emergence, release the adults. Open the container in the center of the production.



3

Repeat the introduction every week for 3 weeks or until you find 80% of parasitized aphids.



USE UPON RECEIPT • DO NOT FREEZE • DO NOT REFRIGERATE